

# J YADAGIRI

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## SUMMARY

Master's student with two years of experience as a design engineer, skilled in AutoCAD, Revit, OpenFoam, and CFD analysis. Expertise in thermal and fluid systems, with knowledge in machine learning and AI. Successfully completed projects in flow analysis, structural design, and heat transfer. Ready to contribute effectively to dynamic teams and deliver innovative solutions for complex challenges.

## EXPERIENCE

### Ananth Technology Private limited - Junior Designer Engineer

October 2021 - June 2023

- Hyderabad, India
- Assisted in 2D and 3D modeling and design of Tilt-up concrete panels using AutoCAD and Revit.
- Collaborated with teams to ensure design precision and structural integrity.

## PROJECTS

### Analysis of Laminar Flow Over a Cut-Section Cylinder Using OpenFoam (CFD)

- M.Tech Final Year Major Project
- Modeled the cut-section cylinder using Ansys and imported it into OpenFoam for analysis.
- Visualized flow behavior at low Reynolds numbers.

### Heat Transfer Through Porous Media

- M.Tech Mini Project
- Analyzed heat transfer, velocity, and vorticity behavior through a NuFoam model.

### Design & Analysis of Residential Building Using Staad.pro

- B.Tech Final Year Project
- Conducted load and structural analysis, and optimized design using Staad.pro.

### The Design and Application of Prestressed Concrete

- B.Tech Final Year Major Project
- Explored methods of prestressing and major applications of prestressed concrete.

## EDUCATION

### Amrita Vishwa Vidyapeetham

- M.tech - Thermal and Fluids augmented with Machine learning and Artificial intelligence. 83%  
Kerala, Kollam • Expected 2025

### Sree Vishweshwaraya Institute of Technology of Science

69%

- B.tech - Civil Engineering  
Mahabub Nagar, Telangana • 2021

### TSWREIS - Intermediate - MPC

69%

Wanaparthi, Telangana • 2017

## CERTIFICATIONS

### Computational Fluid Dynamics offered by Siemens

Siemens • 2024 • CFD analysis, Flow visualization

## LANGUAGES

Telugu  
English  
Malayalam

## COURSEWORK

### Introduction to the OpenFoam

Amrita School of Engineering•2023

## SKILLS

AutoCad      Ubuntu  
Revit      Machine Learning  
Staad.pro  
OpenFoam  
Ansys - Fluent

## Area of Interest

- CFD - Analysis,
- Fuel Cell,
- Renewable Energy.